



Sequence Listing

<110> Ashkenazi, Avi J.
Baker, Kevin P.
Godowski, Paul J.
Gurney, Austin L.
Mark, Melanie R.
Marsters, Scot A.
Pitti, Robert M.

<120> DNA19355 Polypeptide, A Tumor Necrosis Factor Homolog

<130> P1150R2

<140> US 09/195,368
<141> 1998-11-18

<150> US 60/069,661
<151> 1997-12-12

<150> US 60/065,635
<151> 1997-11-18

<160> 15

<210> 1
<211> 177
<212> PRT
<213> Homo sapiens

<400> 1
Met Cys Leu Ser His Leu Glu Asn Met Pro Leu Ser His Ser Arg
1 5 10 15
Thr Gln Gly Ala Gln Arg Ser Ser Trp Lys Leu Trp Leu Phe Cys
20 25 30
Ser Ile Val Met Leu Leu Phe Leu Cys Ser Phe Ser Trp Leu Ile
35 40 45
Phe Ile Phe Leu Gln Leu Glu Thr Ala Lys Glu Pro Cys Met Ala
50 55 60
Lys Phe Gly Pro Leu Pro Ser Lys Trp Gln Met Ala Ser Ser Glu
65 70 75
Pro Pro Cys Val Asn Lys Val Ser Asp Trp Lys Leu Glu Ile Leu
80 85 90
Gln Asn Gly Leu Tyr Leu Ile Tyr Gly Gln Val Ala Pro Asn Ala
95 100 105
Asn Tyr Asn Asp Val Ala Pro Phe Glu Val Arg Leu Tyr Lys Asn
110 115 120
Lys Asp Met Ile Gln Thr Leu Thr Asn Lys Ser Lys Ile Gln Asn
125 130 135

Val Gly Gly Thr Tyr Glu Leu His Val Gly Asp Thr Ile Asp Leu
140 145 150

Ile Phe Asn Ser Glu His Gln Val Leu Lys Asn Asn Thr Tyr Trp
155 160 165

Gly Ile Ile Leu Leu Ala Asn Pro Gln Phe Ile Ser
170 175

<210> 2

<211> 1964

<212> DNA

<213> Homo sapiens

<220>

<221> unsure

<222> 1857, 1875

<223> n may be any nucleotide

<400> 2

cagctctcat ttctccaaaa atgtgtttga gccacttgga aaatatgcct 50
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gctcttttgc tcaatagtta tgttgctatt tctttgctcc ttcagttggc 150
taatctttat ttttctccaa ttagagactg ctaaggagcc ctgtatggct 200
aagtttggac cattaccctc aaaatggcaa atggcatctt ctgaacctcc 250
ttgctgaat aaggtgtctg actggaagct ggagatactt cagaatggct 300
tatatttaat ttatggccaa gtggctccca atgcaaacta caatgatgta 350
gctccttttg aggtgctggt gtataaaaac aaagacatga taaaaactct 400
aacaacaaaa tctaaaatcc aaaatgtagg agggacttat gaattgcatg 450
ttggggacac catagacttg atattcaact ctgagcatca ggttctaaaa 500
aataatacat actggggtat cattttacta gcaaatcccc aattcatctc 550
ctagagactt gatttgatct cctcattccc ttcagcacat gtagagggtg 600
cagtggttg attggaggga gaagatattc aatttctaga gtttgtctgt 650
ctacaaaaat caacacaaac agaactcctc tgcacgtgaa ttttcatcta 700
tcatgcctat ctgaaagaga ctcaggggaa gagccaaaga cttttggttg 750
gatctgcaga aatacttcat taatccatga taaaacaaat atggatgaca 800
gaggacatgt gcttttcaaa gaatctttat ctaattcttg aattcatgag 850
tggaaaaatg gagttctatt cccatggaag atttacctgg tatgcaaaaa 900
ggatctgggg cagtagcctg gctttgttct catattcttg ggctgctgta 950
attcattctt ctcatactcc catcttctga gaccctcca ataaaaagta 1000
gactgatagg atggccacag atatgcctac cataccctac tttagatatg 1050
gtggtgtag aagataaaga acaatctgag aactattgga atagaggtac 1100

aagtggcata aaatggaatg tacgctatct ggaaatttct cttgggtttta 1150
tcttcctcag gatgcagggt gctttaaaaa gccttatcaa aggagtcatt 1200
ccgaaccctc acgtagagct ttgtgagacc ttactgttgg tgtgtgtgtc 1250
taaacattgc taattgtaaa gaaagagtaa ccattagtaa tcattagggt 1300
taaccccaga atggtattat cattactgga ttatgtcatg taatgattta 1350
gtatttttag ctagctttcc acagtttgca aagtgccttc gtaaaacagt 1400
tagcaattct atgaagttaa ttgggcaggc atttggggga aaattttagt 1450
gatgagaatg tgatagcata gcatagccaa ctttcctcaa ctcataggac 1500
aagtgactac aagaggcaat gggtagtccc ctgcattgca ctgtctcagc 1550
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aattcacttt tcaggaagca tattccccct tagcccaagg tgagcagagt 1650
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attccccctt tcactttgca gggcccatct tagtcaaatg tgctaacttc 1800
taaaataata aatagcacta attcaaaatt tttggaatct taaattagct 1850
acttgcnngt tgcttggtga aaggnatata atgattacat tgtaaacaaa 1900
tttaaaatat ttatggatat ttgtgaaaag ctgcattatg ttaaataata 1950
ttacatgtaa agct 1964

<210> 3
<211> 38
<212> DNA
<213> Unknown

<220>
<221> Unknown Organism
<222> 1-38
<223> Description of Unknown Organism: Unknown

<400> 3
gacgacaagc atatgttaga gactgctaag gagccctg 38

<210> 4
<211> 34
<212> DNA
<213> Unknown

<220>
<221> unknown organism
<222> 1-34
<223> Description of Unknown Organism: Unknown

<400> 4
tagcagccgg atcctaggag atgaattggg gatt 34

<210> 5

<211> 24
 <212> PRT
 <213> Unknown

 <220>
 <221> unknown organism
 <222> 1-24
 <223> Description of Unknown Organism: Unknown

 <400> 5
 Met Gly His His His His His His His His His His Ser Ser Gly
 1 5 10 15

 His Ile Asp Asp Asp Asp Lys His Met
 20

 <210> 6
 <211> 29
 <212> DNA
 <213> Unknown

 <220>
 <221> unknown organism
 <222> 1-29
 <223> Description of Unknown Organism: Unknown

 <400> 6
 atcagggact ttccgctggg gactttccg 29

 <210> 7
 <211> 42
 <212> DNA
 <213> Unknown

 <220>
 <221> unknown organism
 <222> 1-42
 <223> Description of Unknown Organism: Unknown

 <400> 7
 tgtaaaacga cggccagttt ctctcagaga aacaagcaaa ac 42

 <210> 8
 <211> 43
 <212> DNA
 <213> Unknown

 <220>
 <221> unknown organism
 <222> 1-43
 <223> Description of Unknown Organism: Unknown

 <400> 8
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 <210> 9
 <211> 126
 <212> PRT
 <213> Homo sapien

 <400> 9
 Glu Thr Ala Lys Glu Pro Cys Met Ala Lys Phe Gly Pro Leu Pro
 1 5 10 15

Ser	Lys	Trp	Gln	Met	Ala	Ser	Ser	Glu	Pro	Pro	Cys	Val	Asn	Lys	20	25	30
Val	Ser	Asp	Trp	Lys	Leu	Glu	Ile	Leu	Gln	Asn	Gly	Leu	Tyr	Leu	35	40	45
Ile	Tyr	Gly	Gln	Val	Ala	Pro	Asn	Ala	Asn	Tyr	Asn	Asp	Val	Ala	50	55	60
Pro	Phe	Glu	Val	Arg	Leu	Tyr	Lys	Asn	Lys	Asp	Met	Ile	Gln	Thr	65	70	75
Leu	Thr	Asn	Lys	Ser	Lys	Ile	Gln	Asn	Val	Gly	Gly	Thr	Tyr	Glu	80	85	90
Leu	His	Val	Gly	Asp	Thr	Ile	Asp	Leu	Ile	Phe	Asn	Ser	Glu	His	95	100	105
Gln	Val	Leu	Lys	Asn	Asn	Thr	Tyr	Trp	Gly	Ile	Ile	Leu	Leu	Ala	110	115	120
Asn	Pro	Gln	Phe	Ile	Ser										125		

<210> 10
 <211> 150
 <212> PRT
 <213> Homo sapien

Pro	Ser	Asp	Lys	Pro	Val	Ala	His	Val	Val	Ala	Asn	Pro	Gln	Ala	1	5	10	15
Glu	Gly	Gln	Leu	Gln	Trp	Leu	Asn	Arg	Arg	Ala	Asn	Ala	Leu	Leu	20	25	30	
Ala	Asn	Gly	Val	Glu	Leu	Arg	Asp	Asn	Gln	Leu	Val	Val	Pro	Ser	35	40	45	
Glu	Gly	Leu	Tyr	Leu	Ile	Tyr	Ser	Gln	Val	Leu	Phe	Lys	Gly	Gln	50	55	60	
Gly	Cys	Pro	Ser	Thr	His	Val	Leu	Leu	Thr	His	Thr	Ile	Ser	Arg	65	70	75	
Ile	Ala	Val	Ser	Tyr	Gln	Thr	Lys	Val	Asn	Leu	Leu	Ser	Ala	Ile	80	85	90	
Lys	Ser	Pro	Cys	Gln	Arg	Glu	Thr	Pro	Glu	Gly	Ala	Glu	Ala	Lys	95	100	105	
Pro	Trp	Tyr	Glu	Pro	Ile	Tyr	Leu	Gly	Gly	Val	Phe	Gln	Leu	Glu	110	115	120	
Lys	Gly	Asp	Arg	Leu	Ser	Ala	Glu	Ile	Asn	Arg	Pro	Asp	Tyr	Leu	125	130	135	
Asp	Phe	Ala	Glu	Ser	Gly	Gln	Val	Tyr	Phe	Gly	Ile	Ile	Ala	Leu	140	145	150	

<210> 11
 <211> 164
 <212> PRT

<213> Homo sapien

<400> 11

Gly	Pro	Gln	Arg	Val	Ala	Ala	His	Ile	Thr	Gly	Thr	Arg	Gly	Arg	
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Ser	Asn	Thr	Leu	Ser	Ser	Pro	Asn	Ser	Lys	Asn	Glu	Lys	Ala	Leu	
				20					25					30	
Gly	Arg	Lys	Ile	Asn	Ser	Trp	Glu	Ser	Ser	Arg	Ser	Gly	His	Ser	
				35					40					45	
Phe	Leu	Ser	Asn	Leu	His	Leu	Arg	Asn	Gly	Glu	Leu	Val	Ile	His	
				50					55					60	
Glu	Lys	Gly	Phe	Tyr	Tyr	Ile	Tyr	Ser	Gln	Thr	Tyr	Phe	Arg	Phe	
				65					70					75	
Gln	Glu	Glu	Ile	Lys	Glu	Asn	Thr	Lys	Asn	Asp	Lys	Gln	Met	Val	
				80					85					90	
Gln	Tyr	Ile	Tyr	Lys	Tyr	Thr	Ser	Tyr	Pro	Asp	Pro	Ile	Leu	Leu	
				95					100					105	
Met	Lys	Ser	Ala	Arg	Asn	Ser	Cys	Trp	Ser	Lys	Asp	Ala	Glu	Tyr	
				110					115					120	
Gly	Leu	Tyr	Ser	Ile	Tyr	Gln	Gly	Gly	Ile	Phe	Glu	Leu	Lys	Glu	
				125					130					135	
Asn	Asp	Arg	Ile	Phe	Val	Ser	Val	Thr	Asn	Glu	His	Leu	Ile	Asp	
				140					145					150	
Met	Asp	His	Glu	Ala	Ser	Phe	Phe	Gly	Ala	Gly	Leu	Val	Gly		
				155					160						

<210> 12

<211> 141

<212> PRT

<213> Homo sapien

<400> 12

Glu	Leu	Arg	Lys	Val	Ala	His	Leu	Thr	Gly	Lys	Ser	Asn	Ser	Arg	
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Ser	Met	Pro	Leu	Glu	Trp	Glu	Asp	Thr	Tyr	Gly	Ile	Val	Val	Leu	
				20					25					30	
Leu	Ser	Gly	Val	Lys	Tyr	Lys	Lys	Gly	Gly	Leu	Val	Ile	Asn	Glu	
				35					40					45	
Thr	Gly	Leu	Tyr	Phe	Val	Tyr	Ser	Lys	Val	Tyr	Phe	Arg	Gly	Gln	
				50					55					60	
Ser	Cys	Asn	Asn	Leu	Pro	Leu	Ser	His	Lys	Val	Tyr	Met	Arg	Asn	
				65					70					75	
Ser	Lys	Tyr	Pro	Gln	Asp	Leu	Val	Met	Met	Glu	Gly	Lys	Met	Met	
				80					85					90	
Ser	Tyr	Cys	Thr	Thr	Gly	Gln	Met	Trp	Ala	Arg	Ser	Ser	Tyr	Leu	
				95					100					105	

Gly Ala Val Phe Asn Leu Thr Ser Ala Asp His Leu Tyr Val Asn
110 115 120

Val Ser Glu Leu Ser Leu Val Asn Phe Glu Glu Ser Gln Thr Phe
125 130 135

Phe Gly Leu Tyr Lys Leu
140

<210> 13
<211> 147
<212> PRT
<213> Homo sapien

<400> 13
Ser Thr Leu Lys Pro Ala Ala His Leu Ile Gly Asp Pro Ser Lys
1 5 10 15
Gln Asn Ser Leu Leu Trp Arg Ala Asn Thr Asp Arg Ala Phe Leu
20 25 30
Gln Asp Gly Phe Ser Leu Ser Asn Asn Ser Leu Leu Val Pro Thr
35 40 45
Ser Gly Ile Tyr Phe Val Tyr Ser Gln Val Val Phe Ser Gly Lys
50 55 60
Ala Tyr Ser Pro Lys Ala Thr Ser Ser Pro Leu Tyr Leu Ala His
65 70 75
Glu Val Gln Leu Phe Ser Ser Gln Tyr Pro Phe His Val Pro Leu
80 85 90
Leu Ser Ser Gln Lys Met Val Tyr Pro Gly Leu Gln Glu Pro Trp
95 100 105
Leu His Ser Met Tyr His Gly Ala Ala Phe Gln Leu Thr Gln Gly
110 115 120
Asp Gln Leu Ser Thr His Thr Asp Gly Ile Pro His Leu Val Leu
125 130 135
Ser Pro Ser Thr Val Phe Phe Gly Ala Phe Ala Leu
140 145

<210> 14
<211> 241
<212> PRT
<213> Homo sapien

<400> 14
Met Ala Gln His Gly Ala Met Gly Ala Phe Arg Ala Leu Cys Gly
1 5 10 15
Leu Ala Leu Leu Cys Ala Leu Ser Leu Gly Gln Arg Pro Thr Gly
20 25 30
Gly Pro Gly Cys Gly Pro Gly Arg Leu Leu Leu Gly Thr Gly Thr
35 40 45
Asp Ala Arg Cys Cys Arg Val His Thr Thr Arg Cys Cys Arg Asp
50 55 60

Tyr	Pro	Gly	Glu	Glu	Cys	Cys	Ser	Glu	Trp	Asp	Cys	Met	Cys	Val	
				65					70					75	
Gln	Pro	Glu	Phe	His	Cys	Gly	Asp	Pro	Cys	Cys	Thr	Thr	Cys	Arg	
				80					85					90	
His	His	Pro	Cys	Pro	Pro	Gly	Gln	Gly	Val	Gln	Ser	Gln	Gly	Lys	
				95					100					105	
Phe	Ser	Phe	Gly	Phe	Gln	Cys	Ile	Asp	Cys	Ala	Ser	Gly	Thr	Phe	
				110					115					120	
Ser	Gly	Gly	His	Glu	Gly	His	Cys	Lys	Pro	Trp	Thr	Asp	Cys	Thr	
				125					130					135	
Gln	Phe	Gly	Phe	Leu	Thr	Val	Phe	Pro	Gly	Asn	Lys	Thr	His	Asn	
				140					145					150	
Ala	Val	Cys	Val	Pro	Gly	Ser	Pro	Pro	Ala	Glu	Pro	Leu	Gly	Trp	
				155					160					165	
Leu	Thr	Val	Val	Leu	Leu	Ala	Val	Ala	Ala	Cys	Val	Leu	Leu	Leu	
				170					175					180	
Thr	Ser	Ala	Gln	Leu	Gly	Leu	His	Ile	Trp	Gln	Leu	Arg	Ser	Gln	
				185					190					195	
Cys	Met	Trp	Pro	Arg	Glu	Thr	Gln	Leu	Leu	Leu	Glu	Val	Pro	Pro	
				200					205					210	
Ser	Thr	Glu	Asp	Ala	Arg	Ser	Cys	Gln	Phe	Pro	Glu	Glu	Glu	Arg	
				215					220					225	
Gly	Glu	Arg	Ser	Ala	Glu	Glu	Lys	Gly	Arg	Leu	Gly	Asp	Leu	Trp	
				230					235					240	

Val

<210> 15
 <211> 228
 <212> PRT
 <213> Mus musculus

<400> 15
 Met Gly Ala Trp Ala Met Leu Tyr Gly Val Ser Met Leu Cys Val
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 Leu Asp Leu Gly Gln Pro Ser Val Val Glu Glu Pro Gly Gly Gly
 20 25 30
 Pro Gly Lys Val Gln Asn Gly Ser Gly Asn Asn Thr Arg Cys Cys
 35 40 45
 Ser Leu Tyr Ala Pro Gly Lys Glu Asp Cys Pro Lys Glu Arg Cys
 50 55 60
 Ile Cys Val Thr Pro Glu Tyr His Cys Gly Asp Pro Gln Cys Lys
 65 70 75
 Thr Cys Lys His Tyr Pro Cys Gln Pro Gly Gln Arg Val Glu Ser
 80 85 90

Gln	Gly	Asp	Ile	Val	Phe	Gly	Phe	Arg	Cys	Val	Ala	Cys	Ala	Met	95	100	105
Gly	Thr	Phe	Ser	Ala	Gly	Arg	Asp	Gly	His	Cys	Arg	Leu	Trp	Thr	110	115	120
Asn	Cys	Ser	Gln	Phe	Gly	Phe	Leu	Thr	Met	Phe	Pro	Gly	Asn	Lys	125	130	135
Thr	His	Asn	Ala	Val	Cys	Ile	Pro	Glu	Pro	Leu	Pro	Thr	Glu	Gln	140	145	150
Tyr	Gly	His	Leu	Thr	Val	Ile	Phe	Leu	Val	Met	Ala	Ala	Cys	Ile	155	160	165
Phe	Phe	Leu	Thr	Thr	Val	Gln	Leu	Gly	Leu	His	Ile	Trp	Gln	Leu	170	175	180
Arg	Arg	Gln	His	Met	Cys	Pro	Arg	Glu	Thr	Gln	Pro	Phe	Ala	Glu	185	190	195
Val	Gln	Leu	Ser	Ala	Glu	Asp	Ala	Cys	Ser	Phe	Gln	Phe	Pro	Glu	200	205	210
Glu	Glu	Arg	Gly	Glu	Gln	Thr	Glu	Glu	Lys	Cys	His	Leu	Gly	Gly	215	220	225
Arg	Trp	Pro															